

INTERNATIONAL SEARCH REPORT

In **onal Application No**
PCT/IB2004/051594

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03H7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/35716 A (BROADBAND INNOVATIONS INC) 2 May 2002 (2002-05-02) abstract page 1, line 6 page 6, lines 2-5 page 9, lines 6-9, 26-30 figures 3a, 3b, 4a, 4b, 6a	1-20
X	EP 1 244 212 A (MURATA MANUFACTURING CO) 25 September 2002 (2002-09-25) paragraph '0061! column 10, lines 4-10, 13-17 figure 5	1, 2, 4, 5, 9, 11, 12, 14-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

4 January 2005

Date of mailing of the international search report

11/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Plathner, B-D

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05, 31 May 1996 (1996-05-31) & JP 8 024237 A (GE YOKOGAWA MEDICAL SYST LTD), 30 January 1996 (1996-01-30) abstract; figure 3 -----</p>	<p>1-3, 11-13</p>

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0235716	A	02-05-2002	WO 0235716 A2	02-05-2002
EP 1244212	A	25-09-2002	JP 3509764 B2	22-03-2004
			JP 2002290203 A	04-10-2002
			CN 1377206 A	30-10-2002
			EP 1244212 A2	25-09-2002
			US 2002135442 A1	26-09-2002
JP 8024237	A	30-01-1996	NONE	